

## ABSTRACT OF THE DISCLOSURE

Permanent magnets are arranged to be supported by the provision of permanent magnet position-locating projections (12) in permanent magnet embedding holes (5). By optimizing the shape of thin-wall regions (18) and (19) within rotor core (4), leakage of flux generated from the permanent magnets is reduced and the strength of the thin-wall regions where stress is concentrated is ensured.

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